Index to volume 5

Author index

A

ABRAMS, WILLIAM B., BAGDON, ROBERT E., AND ZBINDEN, GERHARD. Drug toxicity and its impact on drug evaluation in man, 273

ACLAND, J. D. Clinical trials based on patients' preferences, 687

ADRIANI, JOHN, ZEPERNICK, RICHARD, ARENS, JAMES, AND AUTHEMENT, ENOCH. The comparative potency and effectiveness of topical anesthetics in man, 49

AGHAJANIAN, GEORGE K., AND BING, OSCAR H. L. Persistence of lysergic acid diethylamide in the plasma of human subjects, 611

ALDOUS, J. G. The uncontrolled variable (Edit.), 263

AMBRUS, JULIAN L. Effect of cigarette smoking on blood coagulation, 428

ANDERSEN, THORKILD W., AND GRAVENSTEIN, J. S. Mephentermine and ephedrine in man, 281

ARENS, JAMES (*See* Adriani, Zepernick, Arens, and Authement), 49

ARMITAGE, P. (*See* Vakil, Tulpule, Armitage, and Laurence), 695

ARONSON, PHILIP R. Hyperventilation syndrome, 553

AUTHEMENT, ENOCH (*See* Adriani, Zepernick, Arens, and Authement), 49

AVAKIAN, S. Further studies on the absorption of chymotrypsin, 712

—, AND KABACOFF, B. L. Enhancement of blood antibiotic levels through the combined oral administration of phenethicillin and chymotrypsin, 716

AXLINE, STANTON G., AND SIMON, HAROLD J. Letter to the Editor, 532

B

BAGDON, ROBERT E. (*See* Abrams, Bagdon, and Zbinden), 273

BEASLEY, WILLIS C. (*See* Leavitt and Beasley), 918

BELLVILLE, J. WELDON, COHEN, ELLIS N., AND HAMILTON, JOAN. The interaction of morphine and d-tubocurarine on respiration and grip strength in man, 35

BERCZELLER, PETER H., YOUNG, IVEN S., AND KUPPERMAN, HERBERT S. The therapeutic use of progestational steroids, 216

BEYER, KARL H., JR. The effect of the new F.D.A. regulations on the drug industry (Edit.), 1

BING, OSCAR H. L. (*See* Aghajanian and Bing), 611

BLAIR, J. H. (*See* Simpson, Blair, and Cranswick), 310

BLOCH, JACK H. (*See* Lillehei, Longerbeam, Bloch, and Manax), 63

BOWLUS, WILLIAM E., AND LANGFORD, HERBERT G. A comparison of the antihypertensive effect of chlorthalidone and hydrochlorthiazide, 708

BRAZIER, MARY A. B. The effect of drugs on the electroencephalogram of man, 102

BREESE, B. B., DISNEY, F. A., AND TALPEY, W. B. The comparative ineffectiveness of Nafcillin (a new antistaphylococcal drug) against beta hemolytic streptococcal infections in children, 156

BRODIE, JEAN L. (*See* Sidell, Bulger, Brodie, and Kirby), 26

BUIE, DAN H., JR. (*See* DiMascio and Buie), 174

BULGER, ROGER J. (*See* Sidell, Bulger, Brodie, and Kirby), 26

BYCK, ROBERT (*See* Herman and Byck), 848

C

CAHEN, RAYMOND L. Evaluation of the teratogenicity of drugs, 480

January-February, pp. 1-140; March-April, pp. 141-262; May-June, pp. 263-394; July-August, pp. 395-536; September-October, pp. 537-672; November-December, part 1, pp. 673-798; part 2, pp. 799-966.

CAMPBELL, D., LISTER, R. E., AND MCNICOL, G. W. Drug-induced respiratory depression in man, 193

CARBONE, PAUL P. (*See* Fishbein, Carbone, Freireich, Misra, and Frei), 574

CARR, EDWARD A., JR. Adverse reactions to drugs: should we have formal programs for reporting them? (Edit.), 141

CHALMERS, THOMAS C. (*See* Jick and Chalmers), 673

CHÁVEZ, JOSÉ MA. (*See* Rivera, Flores, Suárez, and Chávez), 286

CLARK, GLENN M. Evaluation of chronic cervical muscle spasm, 955

CLARKSON, BAYARD, O'CONNOR, ANNABEL, WINSTON, LAREINE, AND HUTCHISON, DORRIS. The physiologic disposition of 5-fluorouracil and 5-fluoro-2′-deoxyuridine in man, 581

COHEN, ELLIS N. (*See* Bellville, Cohen, and Hamilton), 35

COSBY, RICHARD S., SWAN, DAVID A., MAYO, MARY, ROBERTS, DAVID L., AND RICHARDSON, THOMAS R. Respiratory effects of Tris (THAM) in acidosis and alkalosis, 185

COWAN, W. K., AND PRICE EVANS, D. A. Primaquine and methemoglobin, 307

CRANSWICK, E. H. (*See* Simpson, Blair, and Cranswick), 310

CROCHETIERE, WILLIAM J. (*See* Long, Thomas, and Crochetiere), 909

CULLEN, STUART C. Halothane (Edit.), 395

D

DAVIES, M. S., HETZEL, B. S., KEARNEY, G. M. E., AND WILSON, G. M. The use of metyrapone as an aldosterone antagonist, 296

DAVIS, DAVID A. The monitoring of hospital patients, with remarks on radio techniques, 546

DEANGELIS, VINCENT (*See* Levine, Jossmann, DeAngelis, and Kane), 893

DEMOS, CHRISTOPHER, KRASNER, FRANK, AND GROEL, JOHN T. A modified (once a day) corticosteroid dosage regimen, 721

DENHOFF, ERIC. Cerebral palsy—a pharmacologic approach, 947

DENNY-BROWN, D. The extrapyramidal system and postural mechanisms, 812

DEWEY, MARJORIE (*See* Elliott, Nomof, Parker, Dewey, and Way), 405

DIMASCIO, ALBERTO, AND BUIE, DAN H., JR. Psychopharmacology of chlorphentermine and d-amphetamine, 174

DISNEY, F. A. (*See* Breese, Disney, and Talpey), 156

DONE, ALAN K. Developmental pharmacology, 432

DOSHAY, LEWIS J. Summary: thirty years' progress in hypertonic quantifications, 961

E

ELLIOT, HENRY W., NOMOF, NORMAN, PARKER, KENNETH, DEWEY, MARJORIE L., AND WAY, E. LEONG. Comparison of the nalorphine test and urinary analysis in the detection of narcotic use, 405

ERDMAN, WILLIAM JAMES, II, AND HEATHER, ARTHUR J. Objective measurement of spasticity by light reflection, 883

ESBENSHADE, JOHN H. (*See* Sutnick, Fewell, Esbenshade, and Soloff), 167

ESSIG, CARL F. Addiction to nonbarbiturate sedative and tranquilizing drugs, 334

F

FAUST, SAMUEL D. Pollution of the water environment by organic pesticides, 677

FEWELL, J. WILLIAM (*See* Sutnick, Fewell, Esbenshade, and Soloff), 167

FISHBEIN, WILLIAM, CARBONE, PAUL P., FREIREICH, EMIL J., MISRA, DWIJENDRA, AND FREI, EMIL, III. Clinical trials of hydroxyurea in patients with cancer and leukemia, 574

FLORES, ALEJANDRO (*See* Rivera, Flores, Suárez, and Chávez), 286

FORNEY, ROBERT B. (*See* Hughes and Forney), 414

FREI, EMIL, III (*See* Fishbein, Carbone, Freireich, Misra, and Frei), 574

FREIREICH, EMIL J. (*See* Fishbein, Carbone, Freireich, Misra, and Frei), 574

FRIEND, DALE G. Adverse reactions to drugs, 257

—. Angina pectoris therapy, 385

—. Drugs for peripheral vascular disease, 666

—. Pharmacology of muscle relaxants, 871

—. Self-medication, 533

FROHLICH, EDWARD D., AND SCHNAPER, HAROLD W. Local and systemic hemodynamic effects of nylidrin, 569

G

GESCHWIND, NORMAN. Skeletal muscle cramps, 859

GOTTLIEB, ARLAN J. (*See* Levitt, Gottlieb, Rosenberg, and Klein), 301

GRANIT, RAGNAR. The gamma (γ) loop in the mediation of muscle tone, 837

GRAVENSTEIN, J. S. (*See* Andersen and Gravenstein), 281

GREENBLATT, MILTON. Controls in clinical research, 864

GROEL, JOHN T. (*See* Demos, Krasner, and Groel), 721

H

HALSTEAD, BRUCE W. Fish poisonings—their diagnosis, pharmacology, and treatment, 615
HAMMAN, WAYNE. Letter to the Editor, 662
HEATHER, ARTHUR J. (*See* Erdman and Heather), 883
HERMAN, RICHARD M., AND BYCK, ROBERT. Differential peripheral nerve blockade by procaine and local cold, 848
HETZEL, B. S. (*See* Davies, Hetzel, Kearney, and Wilson), 296
HODGE, JAMES V., OATES, JOHN A., AND SJOERDSMA, ALBERT. Reduction of the central effects of tryptophan by a decarboxylase inhibitor, 149
HOLLISTER, LEO E. Complications from psychotherapeutic drugs—1964, 322
HUGHES, FRANCIS W., AND FORNEY, ROBERT B. Comparative effect of three antihistaminics and ethanol on mental and motor performance, 414
HUTCHISON, DORRIS (*See* Clarkson, O'Connor, Winston, and Hutchison), 581

J

JACOBY, JAY (*See* Swissman and Jacoby), 136
JICK, HERSHEL, AND CHALMERS, THOMAS C. Drug combinations—uses, dangers, and fallacies (Edit.), 673
JOSSMANN, PAUL B. (*See* Levine, Jossmann, DeAngelis, and Kane), 893

K

KABACOFF, B. L. (*See* Avakian and Kabacoff), 716
KANE, CHARLES A. Introductory remarks, symposium on skeletal muscle hypertonia, 803
—. Skeletal muscle spasms and spasticity: clinical considerations, 852
KANE, MADELEINE. (*See* Levine, Jossmann, DeAngelis, and Kane), 893
KAY, KINGSLEY. State of knowledge on human exposures and biologic effects of economic poisons, 737
KEARNEY, G. M. E. (*See* Davies, Hetzel, Kearney, and Wilson), 296
KIRBY, WILLIAM M. M. (*See* Sidell, Bulger, Brodie, and Kirby), 26
KLEIN, JEROME J. (*See* Levitt, Gottlieb, Rosenberg, and Klein), 301
KRASNER, FRANK (*See* Demos, Krasner, and Groel), 721
KRUMHOLZ, WILHELM V., SHEPPARD, CHARLES, AND MERLIS, SIDNEY. Studies with aspirin: psychopharmacologic and methodologic considerations, 691
KUHN, ROBERT A. Effects of carbon dioxide inhalation upon cerebral blood flow, 277
KUPPERMAN, HERBERT S. (*See* Berczeller, Young, and Kupperman), 216

L

LANGFORD, HERBERT G. (*See* Bowlus and Langford), 708
LASKA, EUGENE (*See* Sunshine, Laska, Meisner, and Morgan), 699
LAURENCE, D. R. (*See* Vakil, Tulpule, Armitage, and Laurence), 695
LEAVITT, LEWIS A., AND BEASLEY, WILLIS C. Clinical application of quantitative methods in the study of spasticity, 918
LEVINE, IRVING M. Introduction to symposium on skeletal muscle hypertonia, 802
—, JOSSMANN, PAUL B., DEANGELIS, VINCENT, AND KANE, MADELEINE. Quantification of the electromyogram in neurospastic disorders, 893
LEVITT, BARRIE H., GOTTLIEB, ARLAN J., ROSENBERG, I. RICHARD, AND KLEIN, JEROME J. Bone marrow depression due to methicillin, a semisynthetic penicillin, 301
LILLEHEI, RICHARD C., LONGERBEAM, JERROLD K., BLOCH, JACK H., AND MANAX, WILLIAM G. The modern treatment of shock based on physiologic principles, 63
LISTER, R. E. (*See* Campbell, Lister, and McNicol), 193
LONG, CHARLES, II, THOMAS, DONALD, AND CROCHETIERE, WILLIAM J. Objective measurement of muscle tone in the hand, 909
LONGERBEAM, JERROLD K. (*See* Lillehei, Longerbeam, Bloch, and Manax), 63
LUISADA, ALDO A. Therapy and management of paroxysmal pulmonary edema, 628

M

MCNICOL, G. W. (*See* Campbell, Lister, and McNicol), 193
MAGLADERY, J. W. Central facilitating and inhibiting mechanisms in the control of muscle tone, 805
MANAX, WILLIAM G. (*See* Lillehei, Longerbeam, Bloch, and Manax), 63
MARTINEZ, LEONARDO R. (*See* Steen and Martinez), 44
MAY, CHARLES D. Aids to wise choice among new drug products marketed in the United States, 7
MAYO, MARY (*See* Cosby, Swan, Mayo, Roberts, and Richardson), 185
MEISNER, MORRIS (*See* Sunshine, Laska, Meisner, and Morgan), 699

MERLIS, SIDNEY (*See* Krumholz, Sheppard, and Merlis), 691
MISRA, DWIJENDRA (*See* Fishbein, Carbone, Freireich, Misra, and Frei), 574
MODELL, WALTER. The drug letter (Edit.), 6
—. The extraordinary side effects of drugs, 265
—. The usefulness of useless knowledge, 145
MORGAN, SYDNEY (*See* Sunshine, Laska, Meisner, and Morgan), 699
MOSER, ROBERT HARLAN. Diseases of medical progress: present status, 122, 233, 348, 515, 645, 753
MOSES, ARNOLD M. Synthetic lysine vasopressin nasal spray in the treatment of diabetes insipidus, 422
MURRAY, WILLIAM J. Evaluation of aspirin in treatment of headache, 21
—. Letter to the Editor, 663

N

NOMOF, NORMAN (*See* Elliott, Nomof, Parker, Dewey, and Way), 405

O

OATES, JOHN A. (*See* Hodge, Oates, and Sjoerdsma), 149
O'CONNOR, ANNABEL (*See* Clarkson, O'Connor, Winston, and Hutchison), 581
OSTFELD, A. M. (*See* Shekelle and Ostfeld), 201

P

PAPPER, E. M. (*See* Papper and Papper), 205
PAPPER, SOLOMON, AND PAPPER, E. M. The effects of preanesthetic, anesthetic, and postoperative drugs on renal function, 205
PARKER, KENNETH (*See* Elliott, Nomof, Parker, Dewey, and Way), 405
POOLE, JOHN (*See* Winsor, Poole, and Trotter), 12
PRICE EVANS, D. A. (*See* Cowan and Price Evans), 307

R

RICHARDSON, THOMAS R. (*See* Cosby, Swan, Mayo, Roberts, and Richardson), 185
RIVERA, ALFONSO, FLORES, ALEJANDRO, SUÁREZ, MA. ANTONIETA, AND CHÁVEZ, JOSÉ MA. Sodium retention following diuretic therapy, 286
ROBERTS, DAVID L. (*See* Cosby, Swan, Mayo, Roberts, and Richardson), 185
ROSEN, EARL (*See* Sugerman and Rosen), 561
ROSENBERG, I. RICHARD (*See* Levitt, Gottlieb, Rosenberg, and Klein), 301
RUSHWORTH, GEOFFREY. Some aspects of the pathophysiology of spasticity and rigidity, 828

S

SCHNAPER, HAROLD W. (*See* Frohlich and Schnaper), 569
SCHRÖDER, G., AND WERKÖ, L. Nethalide, a beta adrenergic blocking agent, 159
SCHWAB, ROBERT S. Problems in the clinical estimation of rigidity (hypertonia), 942
SHEKELLE, R. B., AND OSTFELD, A. M. Methysergide in the migraine syndrome, 201
SHEPPARD, CHARLES (*See* Krumholz, Sheppard, and Merlis), 691
SIDELL, SHELDON, BULGER, ROGER J., BRODIE, JEAN L., AND KIRBY, WILLIAM M. M. Cloxacillin, a new oral synthetic penicillin, 26
SIMON, HAROLD J. (*See* Axline and Simon), 532
SIMPSON, G. M., BLAIR, J. H., AND CRANSWICK, E. H. Cutaneous effects of a new butyrophenone drug, 310
SJOERDSMA, ALBERT (*See* Hodge, Oates, and Sjoerdsma), 149
SOLOFF, LOUIS A. (*See* Sutnick, Fewell, Esbenshade, and Soloff), 167
SOUTHWORTH, HAMILTON. The doctor's bag, 773
STARR, PAUL. Further studies on the therapeutic value of sodium dextrothyroxine, 728
STEEN, STEPHEN N., AND MARTINEZ, LEONARDO R. Some pharmacologic effects of intravenous chlordiazepoxide, 44
SUÁREZ, MA. ANTONIETA (*See* Rivera, Flores, Suárez, and Chávez), 286
SUGERMAN, A. ARTHUR, AND ROSEN, EARL. Absorption efficiency and excretion profile of a prolonged-action form of chlorpromazine, 561
SUNSHINE, ABRAHAM, LASKA, EUGENE, MEISNER, MORRIS, AND MORGAN, SYDNEY. Analgesic studies of indomethacin as analyzed by computer techniques, 699
SUTNICK, ALTON I., FEWELL, J. WILLIAM, ESBENSHADE, JOHN H., AND SOLOFF, LOUIS A. Pargyline hydrochloride, a new antihypertensive agent, 167
SWAN, DAVID A. (*See* Cosby, Swan, Mayo, Roberts, and Richardson), 185
SWISSMAN, NEIL, AND JACOBY, JAY. Strychnine poisoning and its treatment, 136

T

TALPEY, W. B. (*See* Breese, Disney, and Talpey), 156
THOMAS, DONALD (*See* Long, Thomas, and Crochetiere), 909
TIMBERLAKE, WILLIAM H. Evaluation of hypertonia with the use of a gravity-driven ergograph, 879
TROTTER, DONALD (*See* Winsor, Poole, and Trotter), 12

TULPULE, T. H. (*See* Vakil, Tulpule, Armitage, and Laurence), 695
TURSKY, BERNARD. Integrators as measuring devices of bioelectric output, 887

V

VAKIL, B. J., TULPULE, T. H., ARMITAGE, P., AND LAURENCE, D. R. A comparison of the value of 200,000 I.U. tetanus antitoxin (horse) with 20,000 I.U. in the treatment of tetanus, 695
VON EULER, U. S. Quantitation of stress by catecholamine analysis, 398

W

WAY, E. LEONG (*See* Elliott, Nomof, Parker, Dewey, and Way), 405
WEBSTER, DAVID D. The dynamic quantitation of spasticity with automated integrals of passive motion resistance, 900
WERKÖ, L. (*See* Schröder and Werkö), 159
WHEATLEY, DAVID. Letter to the Editor, 132
WILSON, G. M. (*See* Davies, Hetzel, Kearney, and Wilson), 296
WINSOR, TRAVIS, POOLE, JOHN, AND TROTTER, DONALD. Thyroid analogues and coronary insufficiency, 12
WINSTON, LAREINE (*See* Clarkson, O'Connor, Winston, and Hutchison), 581

Y

YOUNG, IVEN S. (*See* Berczeller, Young, and Kupperman), 216

Z

ZBINDEN, GERHARD. The problem of the toxicologic examination of drugs in animals and their safety in man (Edit.), 537
— (*See* Abrams, Bagdon, and Zbinden), 273
ZEPERNICK, RICHARD (*See* Adriani, Zepernick, Arens, and Authement), 49

Subject index

A

Abnormalities, ocular, in patients treated with synthetic antimalarial drugs (Henkend and Rothfield) (Abst.), 233
Absorptions of chymotrypsin, further studies on (Avakian), 712
and distribution of drugs (Binns) (B. rev.), 770
efficiency and excretion profile of prolonged-action form of chlorpromazine (Sugerman and Rosen), 561
Acidosis and alkalosis, respiratory effects of Tris (THAM) in (Cosby et al.), 185
phenformin (Gottlieb, Dubeŕstein, and Giller) (Abst.), 236
Addiction to nonbarbiturate sedative and tranquilizing drugs (Essig), 334
Adrenergic blocking agent, beta, Nethalide (Schröder and Werkö), 159
Adverse reactions to drugs (Friend), 257
formal programs for reporting (Carr) (Edit.), 141
Agranulocytosis during administration of Atromid (Prout and Edwards) (Abst.), 235
Aldosterone antagonist, use of metyrapone as (Davies et al.), 296
Alkalosis, acidosis and, respiratory effects of Tris (THAM) in (Cosby et al.), 185
Allergic pulmonary infiltration due to nitrofurantoin (Muir and Stanton) (Abst.), 122
American drug index, 1964 (Wilson and Jones) (B. rev.), 378
9-Aminoacridine, photosensitization skin reaction following treatment for vaginal trichomoniasis with preparation containing (Thomas and Buckingham) (Abst.), 758
d-Amphetamine, chlorphentermine and, psychopharmacology (DiMascio and Buie), 174
Amphotericin B nephrotoxicity with irreversible renal failure (Takacs, Tomkiewicz, and Merrill) (Abst.), 753
renal lesion related to, treated for coccidioidomycosis (Reynolds, Tomkiewicz, and Dammin) (Abst.), 762
Analgesic nephrotoxicity, pharmacological analysis (Gilman) (Abst.), 515
studies of indomethacin as analyzed by computer techniques (Sunshine et al.), 699
Anaphylactic reaction to dextran: case report (Getzen and Speiggle) (Abst.), 650
Anemia, fatal aplastic, following use of potassium perchlorate in thyrotoxicosis (Gjendal) (Abst.), 351
hemolytic, drug-induced (de Leeuw, Shapiro, and Lowenstein) (Abst.), 353
secondary to stibophen therapy (de Torregrosa, Rosado, and Montilla) (Abst.), 648
megaloblastic, during anticonvulsant drug therapy (Penny) (Abst.), 354
Anesthesia, halothane, in man, serious arrhythmias with vasopressors during (Catenacci et al.) (Abst.), 234
preanesthetic, and postoperative drugs, effects on renal function (Papper and Papper), 205
Anesthetics, inhalation, and carbohydrate metabolism (Greene) (B. rev.), 253
topical, in man, comparative potency and effectiveness (Adriani et al.), 49
Angina pectoris therapy (Friend), 385
Animals, problem of toxicologic examination of drugs in, and their safety in man (Zbinden) (Edit.), 537
Announcements, 134, 255, 381, 665, 772
Antagonist, aldosterone, use of metyrapone as (Davies et al.), 296
Antibiotic levels, blood, enhancement through combined oral administration of phenethicillin and chymotrypsin (Avakian and Kabacoff), 716
therapy, staphylococcal, enterocolitis following (Altemeier, Hummel, and Hill) (Abst.), 357

January-February, pp. 1-140; March-April, pp. 141-262; May-June, pp. 263-394; July-August, pp. 395-536; September-October, pp. 537-672; November-December, part 1, pp. 673-798; part 2, pp. 799-966.

Antibiotics and chemotherapy (Barber and Garrod) (B. rev.), 378
history, wonder drugs (Bottcher) (B. rev.), 377
Anticoagulant therapy: long-term, complications and control and review of 978 cases (Mosley et al.) (Abst.), 755
Antihistaminics, comparative effect of three, and ethanol on mental and motor performance (Hughes and Forney), 414
Antihypertensive agent, new, pargyline hydrochloride (Sutnick et al.), 167
effect of chlorthalidone and hydrochlorthiazide, comparison (Bowlus and Langford), 708
Antimalarial drugs, psoriasis following administration (Kirschenbaum) (Abst.), 233
synthetic, ocular abnormalities in patients treated with (Henkend and Rothfield) (Abst.), 233
Antistaphylococcal drug, Nafcillin, comparative ineffectiveness against beta hemolytic streptococcal infections in children (Breese, Disney, and Talpey), 156
Antitoxin (horse), tetanus, comparison of value of 200,000 I.U. with 20,000 I.U. in treatment of tetanus (Vakil et al.), 695
Aplastic anemia, fatal, following use of potassium perchlorate in thyrotoxicosis (Gjendal) (Abst.), 351
Arrhythmias, serious, with vasopressors during halothane anesthesia in man (Catenacci et al.) (Abst.), 234
Aspirin, evaluation in treatment of headache (Murray), 21
studies with, psychopharmacologic and methodologic considerations (Krumholz, Sheppard, and Merlis), 691
Atabrine, quinacrine, ochronosis from (Ludwig, Toole, and Wood) (Abst.), 518
Atromid, agranulocytosis during administration (Prout and Edwards) (Abst.), 235

B

Beta adrenergic blocking agent, Nethalide (Schröder and Werkö), 159
Biochemical bases of psychoses (Woolley) (B. rev.), 129
Biochemistry and behavior (Eiduson et al.) (B. rev.), 769
Bioelectric output, integrators as measuring devices (Tursky), 887
Biologic effects, human exposures and, of economic poisons, state of knowledge on (Kay), 737
Biostatistics (Goldstein) (B. rev.), 660
Bismuth inclusions in human kidney—long-term autopsy study (Beaver and Burr) (Abst.), 357
Blockade, differential peripheral nerve, by procaine and local cold (Herman and Byck), 848
Blood antibiotic levels, enhancement through combined oral administration of phenethicillin and chymotrypsin (Avakian and Kabacoff), 716
coagulability, oral contraception and (Egeberg and Owren) (Abst.), 125
coagulation, effect of cigarette smoking on (Ambrus and Mink), 428
flow, cerebral, effects of carbon dioxide inhalation upon (Kuhn), 277
Bone marrow depression due to methicillin, semisynthetic penicillin (Levitt et al.), 301
necrosis, aseptic, and corticosteroid therapy (Sutton, Benedek, and Edwards) (Abst.), 357
Book reviews, 129, 250, 377, 529, 660, 767
Books received, 131, 254, 379, 531, 771
Brain, pharmacologic approach to, from inner and outer surface (Feldberg) (B. rev.), 252
Bunamiodyl sodium and iopanoic acid, renal toxicity of oral cholecystographic media (Wennberg et al.) (Abst.), 755
renal failure and (Edit.) (Abst.), 756
Busulfan therapy, diffuse interstitial pulmonary fibrosis after (Leake, Smith, and Woodliff) (Abst.), 646
Butyrophenone drug, new, cutaneous effects (Simpson, Blair, and Cranswick), 310

C

Cancer and leukemia, patients with, clinical trials of hydroxyurea in (Fishbein et al.), 574
Carbohydrate metabolism, inhalation anesthetics and (Greene) (B. rev.), 253
in patients with mild diabetes, influence of thiazide diuretics on (Runyan) (Abst.), 760
Carbon dioxide inhalation, effects upon cerebral blood flow (Kuhn), 277
Cardiac arrest, respiratory and, after intravenous administration of kanamycin with reversal of toxic effects by neostigmine (Ream) (Abst.), 761
Carotid body chemoreceptors, pharmacology (Anichkov and Belen'kii) (B. rev.), 661
Catecholamine analysis, quantitation of stress by (von Euler), 398

Central facilitating and inhibiting mechanisms in control of muscle tone (Magladery), 805
Cerebral blood flow, effects of carbon dioxide inhalation upon (Kuhn), 277
palsy—pharmacologic approach (Denhoff), 947
Cervical muscle spasm, chronic, evaluation (Clark), 955
Chemoreceptors, carotid body, pharmacology (Anichkov and Belen'kii) (B. rev.), 661
Chemotherapy, advances in (Goldin and Hawking) (B. rev.), 768
antibiotics and (Barber and Garrod) (B. rev.), 378
experimental (Schnitzer and Hawking) (B. rev.), 767
Children, beta hemolytic streptococcal infections in, comparative ineffectiveness of Nafcillin (new antistaphylococcal drug) against (Breese, Disney, and Talpey), 156
Chloramphenicol toxicity in liver and renal disease (Suhrland and Weisberger) (Abst.), 355
Chlordiazepoxide, intravenous, pharmacologic effects (Steen and Martinez), 44
Chloroquine neuromyopathy (Whisnant et al.) (Abst.), 349
Chlorphentermine and d-amphetamine, psychopharmacology (DiMascio and Buie), 174
Chlorpromazine jaundice of long duration (Norredam) (Abst.), 239
prolonged-action form of, absorption efficiency and excretion profile (Sugerman and Rosen), 561
Chlorthalidone and hydrochlorthiazide, comparison of antihypertensive effect (Bowlus and Langford), 708
Cholecystographic media: oral, renal toxicity of, bunamiodyl sodium and iopanoic acid (Wennberg et al.) (Abst.), 755
Chronic cervical muscle spasm, evaluation (Clark), 955
Chymotrypsin, absorption of, further studies on (Avakian), 712
phenethicillin and, combined oral administration of, enhancement of blood antibiotic levels through (Avakian and Kabacoff), 716
Cigarette smoking, effect on blood coagulation (Ambrus and Mink), 428
Clinical applications of quantitative methods in study of spasticity (Leavitt and Beasley), 918
considerations, skeletal muscle spasms and spasticity (Kane), 852
Clinical—Cont'd
estimation of rigidity (hypertonia), problems in (Schwab), 942
pharmacologist in drug research, report of subcommittee on position and status (Commission on Drug Safety), 226
principles and drugs in aging (Freeman) (B. rev.), 250
research controls (Greenblatt), 864
toxicology of commercial products, acute poisoning (Gleason, Gosselin, and Hodge) (B. rev.), 250
trials based on patients' preferences (Acland), 687
of hydroxyurea in patients with cancer and leukemia (Fishbein et al.), 574
use of renacidin, renal and ureteral damage following (Auerbach, Mainwaring, and Schwarz) (Abst.), 124
Cloxacillin, new oral synthetic penicillin (Sidell et al.), 26
Coagulability, blood, oral contraception and (Egeberg and Owren) (Abst.), 125
Coagulation, blood, effect of cigarette smoking on (Ambrus and Mink), 428
Coccidioidomycosis, renal lesion related to amphotericin B treated for (Reynolds, Tomkiewicz, and Dammin) (Abst.), 762
Cold, local, procaine and, differential peripheral nerve blockade by (Herman and Byck), 848
Coma, hypoglycemic, during change from insulin to tolbutamide (Baird and Rickards) (Abst.), 122
Combinations, drug, uses, dangers, and fallacies (Jick and Chalmers) (Edit.), 673
Computer techniques, analgesic studies of, indomethacin as analyzed by (Sunshine et al.), 699
Contraception, oral, and blood coagulability (Egeberg and Owren) (Abst.), 125
Controls in clinical research (Greenblatt), 864
Convulsions, tetaniform, precipitated by fluoridated drinking water (Waldbott) (Abst.), 647
Coronary insufficiency, thyroid analogues and (Winsor, Poole, and Trotter), 12
Correspondence, 132, 532, 662
Corticosteroid dosage regimen, modified (once a day) (Demos, Krasner, and Groel), 721
eye drops, elevated intraocular pressure following (Becker and Mills) (Abst.), 758
therapy, aseptic, bone necrosis and (Sutton, Benedek, and Edwards) (Abst.), 357
Cortisone and nitrogen mustard, trimethadione nephrosis treated with (Talamo and Crawford) (Abst.), 759

Council of American Society for Pharmacology and Experimental Therapeutics in reply to Senator Humphrey's inquiry regarding drug testing, statement, 527
Cramps, muscle, skeletal (Geschwind), 859
Cutaneous effects of new butyrophenone drug (Simpson, Blair, and Cranswick), 310

D

Decarboxylase inhibitor, reduction of central effects of tryptophan by (Hodge, Oates, and Sjoerdsma), 149
Depigmentation of human hair during oral treatment with mephenesin, brunet to blonde (Spillane) (Abst.), 235
Depression, respiratory, in man, drug-induced (Campbell, Lister, and McNicol), 193
Devices, measuring, of bioelectric output, integrators as (Tursky), 887
Dextran: anaphylactic reaction to, case report (Getzen and Speiggle) (Abst.), 650
Dextrothyroxine, sodium, therapeutic value of, further studies on (Starr), 728
Diabetes, drug-induced (Dollery, Pentecost, and Samaan) (Abst.), 123
  insipidus, treatment of, synthetic lysine vasopressin nasal spray in (Moses), 422
  mild, influence of thiazide diuretics on carbohydrate metabolism in patients with (Runyan) (Abst.), 760
Diagnosis, pharmacology, and treatment, fish poisonings (Halstead), 615
Differential peripheral nerve blockade by procaine and local cold (Herman and Byck), 848
Diffuse interstitial pulmonary fibrosis after busulfan therapy (Leake, Smith, and Woodliff) (Abst.), 646
Disease, fatal liver, after intravenous administration of tetracycline in high dosage (Schultz et al.) (Abst.), 645
  Hodgkin's, mesantoin lymphadenopathy simulating (Doyle and Hellstrom) (Abst.), 358
  liver and renal, chloramphenicol toxicity in (Suhrland and Weisberger) (Abst.), 355
  peripheral vascular, drugs for (Friend), 666
  renal, and metabolic effects of tetracycline (Shils) (Abst.), 237
Diseases of medical progress (Moser) (B. rev.), 530
  present status (Moser), 122, 233, 348, 515, 645, 753
Disorders, neurospastic, quantification of electromyogram in (Levine et al.), 893
Diuretic therapy, sodium retention following (Rivera et al.), 286
Diuretics (de-Stevens) (B. rev.), 769
  thiazide, influence on carbohydrate metabolism in patients with mild diabetes (Runyan) (Abst.), 760
DL-phenicillamine as cause of optic toxic neuritis (Tu, Blackwell, and Lee) (Abst.), 352
Doctor's bag (Southworth), 773
Dosage regimen, corticosteroid, modified (once a day) (Demos, Krasner, and Groel), 721
Drug combinations, prolonged respiratory depression caused by (Foldes, Lunn, and Benz) (Abst.), 354
  uses, dangers, and fallacies (Jick and Chalmers) (Edit.), 673
  evaluation in man, drug toxicity and its impact on (Abrams, Bagdon, and Zbinden), 273
  index, 1964, American (Wilson and Jones) (B. rev.), 378
  industry, effect of new F.D.A. regulations (Beyer) (Edit.), 1
  letter, 117, 230, 346, 523, 659, 765 (Modell) (Edit.), 6
  new antistaphylococcal, Nafcillin, comparative ineffectiveness against beta hemolytic streptococcal infections in children (Breese, Disney, and Talpey), 156
  butyrophenone, cutaneous effects (Simpson, Blair, and Cranswick), 310
  products, new, marketed in United States, aids to wise choice among (May), 7
  regulations, new information on, 244
  research, position and status of clinical pharmacologist in, report of subcommittee on (Commission on Drug Safety), 226
  sensitivity, acute interstitial nephritis due to (Baker and Williams) (Abst.), 235
  testing, statement of Council of American Society for Pharmacology and Experimental Therapeutics in reply to Senator Humphrey's inquiry regarding, 527
  therapy, anticonvulsant, megaloblastic anemia during (Penny) (Abst.), 354
  toxicity and its impact on drug evaluation in man (Abrams, Bagdon, and Zbinden), 273
Drug-induced diabetes (Dollery, Pentecost, and Samaan) (Abst.), 123
  respiratory depression in man (Campbell, Lister, and McNicol), 193
Drugs, absorption and distribution (Binns) (B. rev.), 770
  adverse reactions to (Friend), 257
    to formal programs for reporting (Carr) (Edit.), 141

Drugs—Cont'd
in aging, clinical principles and (Freeman) (B. rev.), 250
in animals and their safety in man, problem of toxicologic examination (Zbinden) (Edit.), 537
antimalarial, psoriasis following administration (Kirschenbaum) (Abst.), 233
effect on electroencephalogram of man (Brazier), 102
extraordinary side effects (Modell), 265
for peripheral vascular disease (Friend), 666
preanesthetic, anesthetic, and postoperative, effects on renal function (Papper and Papper), 205
progestational, thromboembolism in patients receiving (Reed and Coon) (Abst.), 645
psychotherapeutic, complications from (Hollister), 322
regulations, new information on, 244
role in production of gastroduodenal ulcer (Roth) (Abst.), 649
synthetic antimalarial, ocular abnormalities in patients treated with (Henkend and Rothfield) (Abst.), 233
teratogenicity of, evaluation (Cahen), 480
tranquilizing, nonbarbiturate sedative and, addiction to (Essig), 334
wonder, history of antibiotics (Bottcher) (B. rev.), 377

E

Economic poisons, human exposures and biologic effects of, state of knowledge on (Kay), 737
Edema, paroxysmal pulmonary, therapy and management (Luisada), 628
Electroencephalogram of man, effect of drugs on (Brazier), 102
Electromyogram in neurospastic disorders, quantification (Levine et al.), 893
Enterocolitis, staphylococcal, following antibiotic therapy (Altemeier, Hummel, and Hill) (Abst.), 357
Ephedrine, mephentermine and, in man (Andersen and Gravenstein), 281
Ergograph, gravity-driven, evaluation of hypertonia with use of (Timberlake), 879
Ergotism, impending gangrene of four extremities secondary to (Cranley et al.) (Abst.), 647
Erythromycin, two cases of untoward reaction after (Brown) (Abst.), 350
Ethanol, comparative effect of three antihistaminics and, on mental and motor performance (Hughes and Forney), 414
Eutonyl, pargyline, therapy, nocturnal orthostatic syncope in (Kohn) (Abst.), 519
Excretion profile, absorption efficiency and, of prolonged-action form of chlorpromazine (Sugerman and Rosen), 561
Experimental chemotherapy (Schnitzer and Hawking) (B. rev.), 767
Extrapyramidal system and postural mechanisms (Denny-Brown), 812
Eye drops, corticosteroid, elevated intraocular pressure following (Becker and Mills) (Abst.), 758

F

Facilitating and inhibiting mechanisms, central, in control of muscle tone (Magladery), 805
Faconi syndrome (adult type) developing secondary to ingestion of outdated tetracycline (Gross) (Abst.), 238
F.D.A. regulations, new, effect on drug industry (Beyer) (Edit.), 1
Federal Register, excerpts from, 127, 245, 360, 522, 653
Fish poisonings—their diagnosis, pharmacology, and treatment (Halstead), 615
Fluoridated drinking water, tetaniform convulsions precipitated by (Waldbott) (Abst.), 647
5-Fluorouracil and 5-fluoro-2′-deoxyuridine in man, physiologic disposition (Clarkson et al.), 581

G

Gamma loop in mediation of muscle tone (Granit), 837
Gangrene, impending, of four extremities secondary to ergotism (Cranley et al.) (Abst.), 647
Gastroduodenal ulcer, role of drugs in production (Roth) (Abst.), 649
Grip strength in man, respiration and, interaction of morphine and d-tubocurarine (Bellville, Cohen, and Hamilton), 35
Gynecomastia during therapy with spironolactone (Mann) (Abst.), 239

H

Halothane (Cullen) (Edit.), 395
anesthesia in man, serious arrhythmias with vasopressors during (Catenacci et al.) (Abst.), 234

Halothane—Cont'd
jaundice and hepatotoxicity (Tornetta and Tomaki) (Abst.), 237
liver damage after (Edit.) (Abst.), 234
Hand, muscle tone in, objective measurement (Long, Thomas, and Crochetiere), 909
Headache, treatment, evaluation of aspirin in (Murray), 21
Hemodynamic effects of nylidrin, local and systemic (Frohlich and Schnaper), 569
Hemolytic anemia, drug-induced (de Leeuw, Shapiro, and Lowenstein) (Abst.), 353
secondary to stibophen therapy (de Torregrosa, Rosado, and Montilla) (Abst.), 648
Hepatotoxicity, halothane jaundice and (Tornetta and Tomaki) (Abst.), 237
Hodgkin's disease, mesantoin lymphadenopathy morphologically simulating (Doyle and Hellstrom) (Abst.), 358
Hypersensitivity, phenylbutazone, sarcoid reaction associated with (Goldstein) (Abst.), 649
Hypertension, paradoxical, in tranylcypromine sulfate (Abst.), 762
severe, with Parnate (Songco) (Abst.), 352
Hypertensive crisis due to monamine oxidase inhibitors (Blackwell) (Abst.), 356
Hypertonia, evaluation of, with use of gravity-driven ergograph (Timberlake), 879
rigidity, problems in clinical estimation (Schwab), 942
skeletal muscle, symposium on, 799
Hypertonic quantifications, thirty years' progress (Doshay), 961
Hyperventilation syndrome (Aronson), 553
Hypoglycemia, tolbutamide-induced, prolonged (Cherner, Groppe and Rupp) (Abst.), 757
Hypotensive reactions after small doses of reserpine given parenterally (Fletcher) (Abst.), 123
Human exposures and biologic effects of economic poisons, state of knowledge on (Kay), 737
subjects, persistence of lysergic acid diethylamide in plasma (Aghajanian and Bing), 611
Hydrochlorthiazide, chlorthalidone and, comparison of antihypertensive effect (Bowlus and Langford), 708
Hydroxyurea, clinical trials of, in patients with cancer and leukemia (Fishbein et al.), 574
Hypoglycemic coma during change from insulin to tolbutamide (Baird and Rickards) (Abst.), 122

I

Iatrogenic, precocious pubescence (Plantier) (Abst.), 518
Imipramine-tranylcypromine incompatibility: near-fatal toxic reaction (Brachfeld, Wirtshafter, and Wolfe) (Abst.), 759
Indomethacin, analgesic studies of, as analyzed by computer techniques (Sunshine et al.), 699
Infections in children, beta hemolytic streptococcal, comparative ineffectiveness of Nafcillin (new antistaphylococcal drug) against (Breese, Disney, and Talpey), 156
Inhalation anesthetics and carbohydrate metabolism (Greene) (B. rev.), 253
carbon dioxide, effects upon cerebral blood flow (Kuhn), 277
Inhibiting mechanisms, central facilitating and, in control of muscle tone (Magladery), 805
Inhibitor, decarboxylase, reduction of central effects of trytophan by (Hodge, Oates, and Sjoerdsma), 149
Insufficiency, coronary, thyroid analogues and (Winsor, Poole, and Trotter), 12
Insulin, hypoglycemic coma during change from, to tolbutamide (Baird and Rickards) (Abst.), 122
Integrals, automated, of passive motion resistance, dynamic quantitation of spasticity with (Webster), 900
Integrators as measuring devices of bioelectric output (Tursky), 887
Intoxication, water, due to oxytocin (Pittman) (Abst.), 756
oxytocin and (Whalley and Pritchard) (Abst.), 757
Intraocular pressure, elevated, following corticosteroid eye drops (Becker and Mills) (Abst.), 758
Introduction to symposium on skeletal muscle hypertonia (Levine), 802
Introductory remarks, symposium on skeletal muscle hypertonia (Kane), 803
Iopanoic acid, bunamiodyl sodium and, renal toxicity of oral cholecystographic media (Wennberg et al.) (Abst.), 755
Iron metabolism (Gross, Naegeli, and Philips) (B. rev.), 768

J

Jaundice, chlorpromazine, of long duration (Norredam) (Abst.), 239
halothane, and hepatotoxicity (Tornetta and Tomaki) (Abst.), 237

K

Kanamycin, intravenous administration of, respiratory and cardiac arrest after, with reversal of toxic effects by neostigmine (Ream) (Abst.), 761

Kidney, human, bismuth inclusions in, long-term autopsy study (Beaver and Burr) (Abst.), 357

Knowledge, useless, usefulness of (Modell), 145

L

Lesion, renal, related to amphotericin B treated for coccidioidomycosis (Reynolds, Tomkiewicz, and Dammin) (Abst.), 762

Letters to editor (Dally) (Abst.), 352

Leukemia, cancer and, clinical trials of hydroxyurea in patients with (Fishbein et al.), 574

Librium, intravenous, pharmacologic effects (Steen and Martinez), 44

Light reflection, objective measurement of spasticity by (Erdman and Heather), 883

Liver damage after halothane (Edit.) (Abst.), 234

disease, fatal, after intravenous administration of tetracycline in high dosage (Schultz et al.) (Abst.), 645

and renal disease, chloramphenicol toxicity in (Suhrland and Weisberger) (Abst.), 355

Local and systemic hemodynamic effects of nylidrin (Frohlich and Schnaper), 569

Loop, gamma, in mediation of muscle tone (Granit), 837

Lupus erythematosus, procainamide-induced (Ladd) (Abst.), 124

Lymphadenopathy, mesantoin, morphologically simulating Hodgkin's disease (Doyle and Hellstrom) (Abst.), 358

Lysergic acid diethylamine, persistence of, in plasma of human subjects (Aghajanian and Bing), 611

Lysine vasopressin nasal spray, synthetic, in treatment of diabetes insipidus (Moses), 422

M

Marrow, bone, depressions due to methicillin, semisynthetic penicillin (Levitt et al.), 301

Maturation, skeletal, progestins and (Breibart, Bongiovanni, and Eberlein) (Abst.), 123

Measurement of bioelectric output by integrators (Tursky), 887

of muscle tone in hand (Long, Thomas, and Crochetiere), 909

Measurement—Cont'd

of spasticity by light reflection (Erdman and Heather), 883

Mechanisms, central facilitating and inhibiting, in control of muscle tone (Magladery), 805

postural, extrapyramidal system and (Denny-Brown), 812

Medical dictionary (Sliosberg) (B. rev.), 378

progress, diseases of (Moser) (B. rev.), 530

present status (Moser), 122, 233, 348, 515, 645, 753

statistics, elementary (Mainland) (B. rev.), 253

Medication, self- (Friend), 533

Megaloblastic anemia during anticonvulsant drug therapy (Penny) (Abst.), 354

Meningitis and pancreatitis associated with sulfamethizole (Barrett and Their) (Abst.), 236

Mental and motor performance, comparative effect of three antihistaminics and ethanol on (Hughes and Forney), 414

Mephenesin, oral treatment with, brunet to blonde: depigmentation of human hair during (Spillane) (Abst.), 235

Mephentermine and ephedrine in man (Andersen and Gravenstein), 281

Mesantoin lymphadenopathy morphologically simulating Hodgkin's disease (Doyle and Hellstrom) (Abst.), 358

Metabolic effects of tetracycline, renal disease and (Shils) (Abst.), 237

Metabolism, carbohydrate, inhalation anesthetics and (Greene) (B. rev.), 253

in patients with mild diabetes, influence of thiazide diuretics on (Runyan) (Abst.), 760

iron (Gross, Naegeli, and Philips) (B. rev.), 768

Methemoglobin, primaquine and (Cowan and Price Evans), 307

Methicillin, semisynthetic penicillin, bone marrow depression due to (Levitt et al.), 301

Methylamphetamine, tranylcypromine and, fatal reaction associated with (Mason) (Abst.), 356

Methyldopa treatment, Parkinsonism occurring with (Groden) (Abst.), 125

Methysergide in migraine syndrome (Shekelle and Ostfeld), 201

Metyrapone, use as an aldosterone antagonist (Davies et al.), 296

Migraine syndrome, methysergide in (Shekelle and Ostfeld), 201

Monamine oxidase inhibitors, dangers (Denton, Borreli, and Richards) (Abst.), 356

effects of giving vasopressors to patients on (Stark) (Abst.), 353

Monamine oxidase inhibitors—Cont'd
hypertensive crisis due to (Blackwell) (Abst.), 356
Monitoring of hospital patients, with remarks on radio techniques (Davis), 546
Morphine and d-tubocurarine, interaction, on respiration and grip strength in man (Bellville, Cohen, and Hamilton), 35
Motion resistance, passive, dynamic quantitation of spasticity with automated integrals (Webster), 900
Motor performance, mental and, comparative effect of three antihistaminics and ethanol on (Hughes and Forney), 414
Muscle cramps, skeletal (Geschwind), 859
skeletal, hypertonia, symposium on, 799
tone, central facilitating and inhibiting mechanisms in control (Magladery), 805
gamma loop in mediation (Granit), 837
in hand, objective measurement (Long, Thomas, and Crochetiere), 909
relaxants, pharmacology (Friend), 871
spasm, chronic cervical, evaluation (Clark), 955
spasms, skeletal, and spasticity: clinical considerations (Kane), 852
Myopia, transient, due to tetracycline (Edwards) (Abst.), 516

N

Nafcillin (new antistaphylococcal drug), comparative ineffectiveness against beta hemolytic streptococcal infections in children (Breese, Disney, and Talpey), 156
Nalorphine test and urinary analysis in detection of narcotic use, comparison (Elliott et al.), 405
Names, new U. S., 126, 242, 359, 520, 651, 753
Narcotic use, detection of, comparison of nalorphine test and urinary analysis in (Elliott et al.), 405
Nasal spray, synthetic lysine vasopressin, in treatment of diabetes insipidus (Moses), 422
Necrosis, aseptic bone, and corticosteroid therapy (Sutton, Benedek, and Edwards) (Abst.), 357
Neostigmine, reversal by, of toxic effects caused by kanamycin (Ream) (Abst.), 761
Nephritis, acute interstitial, due to drug sensitivity (Baker and Williams) (Abst.), 235
Nephropathy, fatal, due to phenindione (Galea, Young, and Bell) (Abst.), 754
Nephrosis, trimethadione, treated with cortisone and nitrogen mustard (Talamo and Crawford) (Abst.), 759
Nephrotoxicity, amphotericin B, with irreversible renal failure (Takacs, Tomkiewicz, and Merrill) (Abst.), 753
Nephrotoxicity—Cont'd
analgesic, pharmacological analysis (Gilman) (Abst.), 515
Nerve blockade, differential peripheral, by procaine and local cold (Herman and Byck), 848
Nethalide, beta adrenergic blocking agent (Schröder and Werkö), 159
Neuritis, optic toxic, DL-penicillamine as cause (Tu, Blackwell, and Lee) (Abst.), 352
Neuromyopathy, chloroquine (Whisnant et al.) (Abst.), 349
Neurospastic disorders, quantification of electromyogram in (Levine et al.), 893
Nitrofurantoin, allergic pulmonary infiltration due to (Muir and Stanton) (Abst.), 122
Nitrogen mustard, cortisone and, trimethadione nephrosis treated with (Talamo and Crawford) (Abst.), 759
Nomenclature, simplified, for radicals, 241
Nonbarbiturate sedative and tranquilizing drugs, addiction to (Essig), 334
Nylidrin, local and systemic hemodynamic effects (Frohlich and Schnaper), 569

O

Ochronosis from quinacrine (Atabrine) (Ludwig, Toole, and Wood) (Abst.), 518
Ocular abnormalities in patients treated with synthetic antimalarial drugs (Henkend and Rothfield) (Abst.), 233
Optic toxic neuritis, DL-penicillamine as cause (Tu, Blackwell, and Lee) (Abst.), 352
Oral administration of phenethicillin and chymotrypsin, combined, enhancement of blood antibiotic levels through (Avakian and Kabacoff), 716
cholecystographic media: bunamiodyl sodium and iopanoic acid, renal toxicity (Wennberg et al.) (Abst.), 755
contraception and blood coagulability (Egeberg and Owren) (Abst.), 125
synthetic penicillin, new, cloxacillin (Sidell et al.), 26
treatment with mephenesin, brunet to blonde: depigmentation of human hair during (Spillane) (Abst.), 235
Organic pesticides, pollution of water environment by (Faust), 677
Oxytetracycline, photosensitivity to (Tromovitch and Jacobs) (Abst.), 123
Oxytocin and water intoxication (Whalley and Pritchard) (Abst.), 757
water intoxication due to (Pittman) (Abst.), 756

P

Palsy, cerebral, pharmacologic approach (Denhoff), 947

Pancreatitis, meningitis and, associated with sulfamethizole (Barrett and Their) (Abst.), 236

Pancytopenia associated with tolbutamide therapy (Chapman and Cheung) (Abst.), 761

Pargyline (Eutonyl) therapy, nocturnal orthostatic syncope in (Kohn) (Abst.), 519
hydrochloride, new antihypertensive agent (Sutnick et al.), 167

Parkinsonism occurring with methyldopa treatment (Groden) (Abst.), 125

Parnate, severe hypertension with (Songco) (Abst.), 352

Paroxysmal pulmonary edema, therapy and management (Luisada), 628

Parstelin, collapse after (Lantin) (Abst.), 348

Passive motion resistance, dynamic quantitation of spasticity with automated integrals (Webster), 900

Pathophysiology of spasticity and rigidity, some aspects (Rushworth), 828

Penicillin, new oral synthetic, cloxacillin (Sidell et al.), 26
semisynthetic penicillin, bone marrow depression due to methicillin (Levitt et al.), 301

Peripheral nerve blockade, differential, by procaine and local cold (Herman and Byck), 848
vascular disease, drugs for (Friend), 666

Pesticides, organic, pollution of water environment by (Faust), 677

Pethidine and promethazine, collapse after (Waghmarae) (Abst.), 349

Pharmacogenetics, experimental (Meier) (B. rev.), 529

Pharmacologic approach to brain from inner and outer surface (Feldberg) (B. rev.), 252
to cerebral palsy (Denhoff), 947
effects of intravenous chlordiazepoxide (Steen and Martinez), 44

Pharmacologist, clinical, in drug research, report of subcommittee on position and status (Commission on Drug Safety), 226

Pharmacology, advances in (Garattini and Shore) (B. rev.), 251
of carotid body chemoreceptors (Anichkov and Belen'kii) (B. rev.), 661
developmental (Done), 432
diagnosis, and treatment, fish poisonings (Halstead), 615
of muscle relaxants (Friend), 871

Phenacetin and renal damage at Swedish factory (Grimlund) (Abst.), 760

Phenethicillin and chymotrypsin, combined oral administration of, enhancement of blood antibiotic levels through (Avakian and Kabacoff), 716

Phenformin acidosis (Gottlieb, Duberstein, and Giller) (Abst.), 236

Phenindione sensitivity, fatal nephropathy due to (Galea, Young, and Bell) (Abst.), 754

Phenylbutazone, acute renal failure caused by (Richardson and Alderfer) (Abst.), 754
hypersensitivity, sarcoid reaction associated with (Goldstein) (Abst.), 649

Photosensitivity to oxytetracycline (Tromovitch and Jacobs) (Abst.), 123

Photosensitization skin reaction following treatment for vaginal trichomoniasis with preparation containing 9-aminoacridine (Thomas and Buckingham) (Abst.), 758

Physiologic disposition of 5-fluorouracil and 5-fluoro-2′-deoxyuridine in man (Clarkson et al.), 581

Physiology, annual review (Giese and Sonnenscheim) (B. rev.), 770
handbook (Dow and Hamilton) (B. rev.), 251

Plasma of human subjects, persistence of lysergic acid diethylamide in (Aghajanian and Bing), 611

Poisoning, acute, clinical toxicology of commercial products (Gleason, Gosselin, and Hodge) (B. rev.), 250
strychnine, and its treatment (Swissman and Jacoby), 136

Poisonings, fish, diagnosis, pharmacology, and treatment (Halstead), 615

Poisons, economic, human exposures and biologic effects of, state of knowledge on (Kay), 737

Pollution of water environment by organic pesticides (Faust), 677

Postoperative drugs, preanesthetic, anesthetic and, effects on renal function (Papper and Papper), 205

Postural mechanisms, extrapyramidal system and (Denny-Brown), 812

Potassium perchlorate in thyrotoxicosis, fatal aplastic anemia following use (Gjendal) (Abst.), 351

Preanesthetic, anesthetic, and postoperative drugs, effects on renal function (Papper and Papper), 205

Primaquine and methemoglobin (Cowan and Price Evans), 307

Procainamide-induced lupus erythematosus (Ladd) (Abst.), 124

Procaine amide, unexpected reaction to (King and Blount) (Abst.), 757
and local cold, differential peripheral nerve blockade by (Herman and Byck), 848
Progestational drugs, thromboembolism in patients receiving (Reed and Coon) (Abst.), 645
steroids, therapeutic use (Berczeller, Young and Kupperman), 216
Progestins and skeletal maturation (Breibart, Bongiovanni, and Eberlein) (Abst.), 123
Progress, thirty years', in hypertonic quantifications (Doshay), 961
Prolonged-action form of chlorpromazine, absorption efficiency and excretion profile (Sugerman and Rosen), 561
Promethazine, pethidine and, collapse after (Waghmarae) (Abst.), 349
Psoriasis following administration of antimalarial drugs (Kirschenbaum) (Abst.), 233
Psychopharmacologic and methodologic considerations, studies with aspirin (Krumholz, Sheppard, and Merlis), 691
Psychopharmacology of chlorphentermine and d-amphetamine (DiMascio and Buie), 174
Psychoses, biochemical basis (Woolley) (B. rev.), 129
Psychotherapeutic drugs—1964, complications from (Hollister), 322
Pubescence, precocious—iatrogenic (Plantier) (Abst.), 518
Pulmonary edema, paroxysmal, therapy and management (Luisada), 628
fibrosis, diffuse interstitial, after busulfan therapy (Leake, Smith, and Woodliff) (Abst.), 646
infiltration, allergic, due to nitrofurantoin (Muir and Stanton) (Abst.), 122

Q

Quantification of electromyogram in neurospastic disorders (Levine et al.), 893
Quantifications, hypertonic, thirty years' progress in (Doshay), 961
Quantitation, dynamic, of spasticity with automated integrals of passive motion resistance (Webster), 900
Quantitative methods in study of spasticity (Leavitt and Beasley), 918
Quinacrine (Atabrine), ochronosis from (Ludwig, Toole, and Wood), 518
Quinidine, effect on action of muscle relaxants (Schmidt, Vick, and Sadove) (Abst.), 239

R

Radio techniques, remarks on, monitoring of hospital patients (Davis), 546
Reactions, adverse, to drugs (Friend), 257
formal programs for reporting (Carr) (Edit.), 141
Reflection, light, objective measurement of spasticity by (Erdman and Heather), 883
Regulations, new F.D.A., effect on drug industry (Beyer) (Edit.), 1
Relaxants, muscle, effect of quinidine on action (Schmidt, Vick, and Sadove) (Abst.), 239
pharmacology (Friend), 871
Renacidin, clinical use of, renal and ureteral damage following (Auerbach, Mainwaring, and Schwarz) (Abst.), 124
Renal damage, phenacetin and, at Swedish factory (Grimlund) (Abst.), 760
disease, liver and, chloramphenicol toxicity in (Suhrland and Weisberger) (Abst.), 355
and metabolic effects of tetracycline (Shils) (Abst.), 237
failure, acute, caused by phenylbutazone (Richardson and Alderfer) (Abst.), 754
and bunamiodyl sodium (Edit.) (Abst.), 756
irreversible, amphotericin B nephrotoxicity with (Takacs, Tomkiewicz, and Merrill) (Abst.), 753
function, effects of preanesthetic, anesthetic, and postoperative drugs on (Papper and Papper), 205
lesion related to amphotericin B treated for coccidioidomycosis (Reynolds, Tomkiewicz, and Dammin) (Abst.), 762
toxicity of oral cholecystographic media: bunamiodyl sodium and iopanoic acid (Wennberg et al.) (Abst.), 755
and ureteral damage following clinical use of renacidin (Auerbach, Mainwaring, and Schwarz) (Abst.), 124
Research, controls in clinical (Greenblatt), 864
drug, position and status of clinical pharmacologist in, report of subcommittee on (Commission on Drug Safety), 226
Reserpine given parenterally, hypotensive reactions after small doses (Fletcher) (Abst.), 123
Resistance, passive motion, dynamic quantitation of spasticity with automated integrals (Webster), 900
Respiration and grip strength in man, interaction of morphine and d-tubocurarine on (Bellville, Cohen, and Hamilton), 35
cardiac arrest after intravenous administration of kanamycin with reversal of toxic effects by neostigmine (Ream) (Abst.), 761

Respiration—Cont'd
depression in man, drug-induced (Campbell, Lister, and McNicol), 193
prolonged, caused by drug combinations (Foldes, Lunn, and Benz) (Abst.), 354
effects of Tris (THAM) in acidosis and alkalosis (Cosby et al.), 185
Retention, sodium, following diuretic therapy (Rivera et al.), 286
Rheumatism council: empire, salicylates (Dixon et al.) (B. rev.), 377
Rigidity (hypertonia), problems in clinical estimation (Schwab), 942
spasticity and, some aspects of pathophysiology (Rushworth), 828

S

Salicylates, empire rheumatism council (Dixon et al.). (B. rev.), 377
Sarcoid reaction associated with phenylbutazone hypersensitivity (Goldstein) (Abst.), 649
Sedative, nonbarbiturate, and tranquilizing drugs, addiction to (Essig), 334
Shock, modern treatment based on physiologic principles (Lillehei et al.), 63
Side effects of drugs, extraordinary (Modell), 265
Skeletal maturation, progestins and (Briebart, Bongiovanni, and Eberlein) (Abst.), 123
muscle cramps (Geschwind), 859
hypertonia, symposium on, 799
spasms and spasticity: clinical considerations (Kane), 852
Skin reaction, photosensitization, following treatment for vaginal trichomoniasis with preparation containing 9-aminoacridine (Thomas and Buckingham) (Abst.), 758
Smoking, cigarette, effect on blood coagulation (Ambrus and Mink), 428
Sodium dextrothyroxine, therapeutic value of, further studies on (Starr), 728
retention following diuretic therapy (Rivera et al.), 286
Spasm, muscle, chronic cervical, evaluation (Clark), 955
Spasms, skeletal muscle, and spasticity: clinical considerations (Kane), 852
Spasticity, dynamic quantitation with automated integrals of passive motion resistance (Webster), 900
objective measurement by light reflection (Erdman and Heather), 883
and rigidity, pathophysiology, some aspects (Rushworth), 828
skeletal muscle spasms and, clinical considerations (Kane), 852
Spasticity—Cont'd
study of, clinical applications of quantitative methods in (Leavitt and Beasley), 918
Spironolactone, gynecomastia during therapy with (Mann) (Abst.), 239
Staphylococcal enterocolitis following antibiotic therapy (Altemeier, Hummel, and Hill) (Abst.), 357
Statistics, elementary medical (Mainland) (B. rev.), 253
Steroids, progestational, therapeutic use (Berczeller, Young, and Kupperman), 216
prolonged high doses of, thyrotoxicosis occurring in two patients on (Brown and Lowman) (Abst.), 516
Stibophen therapy, hemolytic anemia secondary to (de Toregrosa, Rosado, and Montilla) (Abst.), 648
Streptococcal, beta hemolytic, infections in children, comparative ineffectiveness of Nafcillin (new antistaphylococcal drug) against (Breese, Disney, and Talpey), 156
Stress, quantitation, by catecholamine analysis (von Euler), 393
Strychnine poisoning and its treatment (Swissman and Jacoby), 136
Sulfamethizole, meningitis and pancreatitis associated with (Barrett and Their) (Abst.), 236
Sulfamethoxypyridazine, thrombocytopenic purpura secondary to (Thomas) (Abst.), 355
Symposium on skeletal muscle hypertonia, 799
Synaptic transmission (McLennan) (B. rev.), 252
Synthetic antimalarial drugs, ocular abnormalities in patients treated with (Henkend and Rothfield) (Abst.), 233
Systemic hemodynamic effects of nylidrin, local and (Frohlich and Schnaper), 569

T

Teeth, effect of tetracyclines on (Edit.) (Abst.), 238
Teratogenicity of drugs, evaluation (Cahen), 480
Test, nalorphine, and urinary analysis in detection of narcotic use, comparison (Elliott et al.), 405
Testing, drug, statement of Council of American Society for Pharmacology and Experimental Therapeutics in reply to Senator Humphrey's inquiry regarding, 527
Tetaniform convulsions precipitated by fluoridated drinking water (Waldbott) (Abst.), 647
Tetanus antitoxin (horse), comparison of value of 200,000 I.U. with 20,000 I.U. in treatment of tetanus (Vakil et al.), 695

Tetracycline, intravenous administration in high dosage, fatal liver disease after (Schultz et al.) (Abst.), 645
metabolic effects, renal disease and (Shils) (Abst.), 237
outdated, Fanconi syndrome (adult type) developing secondary to ingestion (Gross) (Abst.), 238
transient myopia due to (Edwards) (Abst.), 516
Tetracyclines, effect on teeth (Edit.) (Abst.), 238
THAM, Tris, respiratory effects in acidosis and alkalosis (Cosby et al.), 185
Therapeutic use of progestational steroids (Berczeller, Young, and Kupperman), 216
value of sodium dextrothyroxine, further studies on (Starr), 728
Therapy, angina pectoris (Friend), 385
diuretic, sodium retention following (Rivera et al.), 286
long-term anticoagulant, complications and control and review of 978 cases (Mosley et al.) (Abst.), 755
Thiazide diuretics, influence on carbohydrate metabolism in patients with mild diabetes (Runyan) (Abst.), 760
Thrombocytopenic purpura secondary to sulfamethoxypyridazine (Thomas) (Abst.), 355
Thromboembolism in patients receiving progestational drugs (Reed and Coon) (Abst.), 645
Thyroid analogues and coronary insufficiency (Winsor, Poole, and Trotter), 12
Thyrotoxicosis, fatal aplastic anemia following use of potassium perchlorate in (Gjendal) (Abst.), 351
in two patients on prolonged high doses of steroids (Brown and Lowman) (Abst.), 516
Tolbutamide, hypoglycemic coma during change from insulin to (Baird and Rickards) (Abst.), 122
Tolbutamide-induced hypoglycemia, prolonged (Cherner, Groppe, and Rupp) (Abst.), 757
therapy, pancytopenia associated with (Chapman and Cheung) (Abst.), 761
Tone, muscle, central facilitating and inhibiting mechanisms in control (Magladery), 805
gamma loop in mediation (Granit), 837
in hand, objective measurement (Long, Thomas, and Crochetiere), 909
Topical anesthetics in man, comparative potency and effectiveness (Adriani et al.), 49
Toxic effects of kanamycin, reversal by neostigmine (Ream) (Abst.), 761
neuritis, optic, DL-penicillamine as cause (Tu, Blackwell, and Lee) (Abst.), 352
Toxic—Cont'd
reaction, near-fatal, imipramine-tranylcypromine incompatibility (Brachfeld, Wirtshafter, and Wolfe) (Abst.), 759
Toxicity, chloramphenicol, in liver and renal disease (Suhrland and Weisberger) (Abst.), 355
drug, and its impact on drug evaluation in man (Abrams, Bagdon, and Zbinden), 273
renal, of oral cholecystographic media: bunamiodyl sodium and iopanoic acid (Wennberg et al.) (Abst.), 755
Toxicologic examination of drugs, problem in animals and their safety in man (Zbinden) (Edit.), 537
Toxicology, clinical, of commercial products, acute poisoning (Gleason, Gosselin, and Hodge) (B. rev.), 250
Tranquilizing drugs, nonbarbiturate sedative and, addiction to (Essig), 334
Tranylcypromine, imipramine-, incompatibility: near-fatal toxic reaction (Brachfeld, Wirtshafter, and Wolfe) (Abst.), 759
and methylamphetamine, fatal reaction associated with (Mason) (Abst.), 356
reactions associated with (McClure) (Abst.), 351
to (Harding and Missen) (Abst.), 348
side effects (Aldrich and Oakley) (Abst.), 240
sulfate, paradoxical hypertension in (Abst.), 762
Trials, clinical, based on patients' preferences (Acland), 687
Trimethadione nephrosis treated with cortisone and nitrogen mustard (Talamo and Crawford) (Abst.), 759
Tris (THAM), respiratory effects in acidosis and alkalosis (Cosby et al.), 185
Tryptophan, reduction of central effects by decarboxylase inhibitor (Hodge, Oates, and Sjoerdsma), 149
d-Tubocurarine, morphine and, interaction on respiration and grip strength in man (Bellville, Cohen, and Hamilton), 35

U

Ulcer, gastroduodenal, role of drugs in production (Roth) (Abst.), 649
Ureteral damage, renal and, following clinical use of renacidin (Auerbach, Mainwaring, and Schwarz) (Abst.), 124
Urinary analysis, nalorphine test and, in detection of narcotic use, comparison (Elliott et al.), 405
Useless knowledge, usefulness of (Modell), 145

V

Vaginal trichomoniasis, photosensitization skin reaction following treatment for, with preparation containing 9-aminoacridine (Thomas and Buckingham) (Abst.), 758
Variable, uncontrolled (Aldous) (Edit.), 263
Vascular disease, peripheral, drugs for (Friend), 666
Vasopressin nasal spray, synthetic lysine, in treatment of diabetes insipidus (Moses), 422
Vasopressors during halothane anesthesia in man, serious arrhythmias with (Catenacci et al.) (Abst.), 234
Vasopressors—Cont'd
effects on monoamine oxidase inhibitors (Stark) (Abst.), 353

W

Water environment, pollution by organic pesticides (Faust), 677
intoxication due to oxytocin (Pittman) (Abst.), 756
oxytocin and (Whalley and Pritchard) (Abst.), 757